

Claims

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1 1. A method for replicating changes in a source file set on a destination file system,
2 comprising the steps of.

3 (a) identifying changes in a source file set;
4 (b) storing the identified changes in a modification list; and
5 (c) transmitting the modification list to an agent having access to a destination file
6 system.

1 2. The method of claim 1, further comprising the step of:
2 (d) transmitting the changed files to the agent having access to the destination file system.

1 3. The method of claim 2 further comprising the step of:
2 (e) installing the changed files on the destination file system.

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1 4. The method of claim 1 wherein the identifying step comprises the steps of:
2 inspecting a set of files; and
3 comparing the set of files to an earlier-recorded set.

1 5. The method of claim 1 wherein the identifying step comprises the steps of:
2 installing a device driver to perform file operations; and
3 recording, by the device driver, changes to the source file set.

1 6. The method of claim 1 wherein the identifying step comprises:
2 receiving a manifest describing changes to the source file set.

1 7. The method of claim 4 wherein the comparing step comprises comparing a file
2 attribute to the file attribute of the earlier-recorded set.

1 8. The method of claim 7 wherein the file attribute comprises at least one attribute
2 chosen from the set of file size, file permissions, file ownership, modification time, and a hash of
3 the file.

1 9. The method of claim 1, further comprising, before the identifying step, the step of
2 calling a script.

1 10. The method of claim 1, further comprising, before the transmitting step, the step
2 of calling a script.

1 11. The method of claim 1, further comprising, after the transmitting step, the step of

Ar 2 calling a script.

1 12. The method of claim 11, further comprising the step of determining whether the
2 transmitting step has successfully completed, and wherein the calling step occurs after the
3 determining step.

1 Sub 13. The method of claim 11, wherein the step of calling a script occurs after the
2 success of the transmission is known.

1 14. A method for replicating changes in a source file set on a destination file system,
2 comprising the steps of:

- 3 (a) identifying changes in a source file set;
4 (b) storing the identified changes in a modification list; and
5 (c) transmitting the modification list to a plurality of web servers.

1 Sub 15. The method of claim 14 wherein the transmitting step comprises multicasting.

1 16. The method of claim 14 wherein the identifying step comprises the steps of:
2 inspecting a set of files; and
3 comparing the set of files to an earlier-recorded set.

1 17. The method of claim 16 wherein the comparing step comprises comparing a file
2 attribute to the file attribute of the earlier-recorded set.

1 18. The method of claim 17 wherein the file attribute comprises at least one attribute
2 chosen from the set of file size, file permissions, file ownership, modification time, and a hash of
3 the file.

1 Sub 19. A web service system, comprising:
2 a manager for managing the web service system;
3 a host comprising a web server for receiving web page requests and an agent in
4 communication with the manager; and
5 a content distributor for providing content changes to the host.

1 20. The system of claim 19, further comprising a traffic manager for directing web
2 page requests to the web server.

1 21. The system of claim 19, wherein the content distributor comprises:

- 2 (a) an identification module for identifying changes in a source file set;
3 (b) a modification list for storing identified changes; and

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